

1 **CLAIMS**

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3 1. A method of preparing a composition for the
4 treatment of dermatological disorders, wherein coal
5 tar is filtered to remove impurities by filter
6 compression.

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8 2. A method as in Claim, wherein zinc pyrithione is
9 incorporated into the composition.

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11 3. A method as in any of the previous Claims, wherein
12 the coal tar is filtered by being fed through a
13 compressed charcoal filter.

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15 4. A method as in Claim 3, wherein the coal tar is fed
16 through the filter at 17 to 19 psi.

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18 5. A method as in Claim 3, wherein the coal tar is fed
19 through the filter at 18 psi.

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21 6. A method as in Claims 3 to 5, wherein compressed air
22 is used to force the coal tar through the filter.

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24 7. A method as in Claims 3 to 6, wherein the coal tar
25 is left in the filter system for 8 hours.

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27 8. A method as in Claims 3 to 7, wherein the fluid that
28 has been passed through the filter is boiled.

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30 9. A method as in Claim 8, wherein the fluid that has
31 been passed through the filter is boiled for 5
32 minutes.

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- 1 10. A method as in Claims 8 or 9, wherein the boiled,
2 filtered fluid is allowed to cool to room
3 temperature.
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- 5 11. A method as in Claims 8, 9 or 10, wherein the top
6 layer of the boiled, filtered fluid is refiltered.
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- 8 12. A method as in Claim 11, wherein refiltering is
9 through a nylon mesh.
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- 11 13. A method as in any of the previous Claims, where a
12 surfactant is added to the formulation.
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- 14 14. A method as in Claim 13, wherein the surfactant is
15 an ionic surfactant.
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- 17 15. A method as in Claims 13 or 14, wherein the
18 surfactant is sodium lauryl sulphate.
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- 20 16. A method as in any of the previous Claims, wherein a
21 carrier is added to the formulation.
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- 23 17. A method as in any of the previous Claims, wherein
24 multiple carriers are added to the formulation.
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- 26 18. A method as in Claims 16 or 17, wherein the carrier
27 is isopropyl myristate.
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- 29 19. A method as in Claims 16 or 17, wherein the carrier
30 is ethyl alcohol.
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- 1 20. A method as in any of the previous Claims, wherein
2 the formulation is placed in a spray or aerosol
3 container.
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- 5 21. A composition for the treatment of dermatological
6 disorders comprising:
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- 8 • coal tar;
 - 9 • zinc pyrithione;
 - 10 • one or more surfactants; and
 - 11 • one or more carriers
- 12
- 13 22. A method as in Claim 21, wherein the composition
14 also contains allantoin.
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- 16 23. A composition as in Claims 21 and 22, wherein the
17 surfactant is an ionic surfactant.
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- 19 24. A composition as in Claims 21 to 23, wherein the
20 surfactant is sodium lauryl sulphate.
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- 22 25. A composition as in Claims 21 to 24, wherein the
23 carrier is isopropyl myristate.
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- 25 26. A composition as in Claims 21 to 24, wherein the
26 carrier is ethyl alcohol.
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- 28 27. A composition as in Claims 21 to 25, wherein the
29 composition also comprises an anti-fungal agent.
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- 31 28. A composition as in Claim 27, wherein the anti-
32 fungal agent is undecylenic acid.
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1 29. A composition for the treatment of dermatological
2 disorders, comprising:

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- 4 • zinc pyrithione;
- 5 • alcoholic extract of coal tar;
- 6 • allantoin;
- 7 • sodium lauryl sulphate;
- 8 • isopropyl myristate;
- 9 • ethyl alcohol; and
- 10 • undecylenic acid

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12 30. A composition as in Claim 29, wherein the
13 ingredients in the following amounts:

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|----|---------------------------------|--------|
| 15 | • zinc pyrithione | 0.20% |
| 16 | • alcoholic extract of coal tar | 0.25% |
| 17 | • allantoin | 0.25% |
| 18 | • sodium lauryl sulphate | 0.10% |
| 19 | • isopropyl myristate | 49.45% |
| 20 | • ethyl alcohol | 49.45% |
| 21 | • undecylenic acid | 0.30% |

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23 31. A composition as in Claims 21 to 30, wherein the
24 composition is provided in a spray form.

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26 32. A composition as in Claims 21 to 30, wherein the
27 composition is provided in an aerosol form.

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